

CLAIMS

What is claimed is:

- 1 1. A computer-implemented method employed within a network comprising:
2 displaying a representation of a plurality of management beans (MBeans) registered
3 with an MBean server on a graphical user interface of a computing device;
4 selecting one of the plurality of MBeans displayed in the graphical user interface; and
5 accessing an attribute of the selected MBean with the graphical user interface.
- 1 2. The method of claim 1, wherein the network has a cluster architecture; and wherein
2 displaying the representation of the plurality of MBeans registered with the MBean server
3 comprises:
4 displaying a representation of a plurality of MBeans registered with an MBean server,
5 wherein each of the displayed MBeans represents a manageable resource within a cluster of
6 application servers.
- 1 3. The method of claim 2, wherein displaying the representation of the plurality of
2 MBeans comprises:
3 displaying a representation of a plurality of hierarchically organized MBeans.
- 1 4. The method of claim 3, wherein displaying the representation of the plurality of
2 hierarchically organized MBeans comprises:
3 displaying a representation of a plurality of MBeans organized as a tree structure
4 having a root node.
- 1 5. The method of claim 4, wherein the root node is an MBean representing the cluster of
2 application servers.

1 6. The method of claim 5, wherein the tree structure further includes one or more server
2 nodes depending from the root node, wherein each server node is an MBean representing a
3 server of the cluster of application servers.

1 7. The method claim 6, wherein the tree structure further includes a kernel node
2 depending from each of the one or more server nodes, wherein the kernel node is an MBean
3 representing a kernel of the server node from which it depends.

1 8. The method of claim 6, wherein the tree structure further includes a library node
2 depending from at least one of the one or more server nodes, wherein the library node is an
3 MBean representing a library of the server from which it depends.

1 9. The method of claim 6, wherein the tree structure further includes a service node
2 depending from at least one of the one or more server nodes, wherein the service node is an
3 MBean representing a service of the server from which it depends.

1 10. The method of claim 1, wherein identifying one of the plurality of displayed MBeans
2 comprises:
3 selecting one of the plurality of displayed MBeans with a pointing device.

1 11. The method of claim 1, wherein identifying one of the plurality of displayed MBeans
2 comprises:
3 selecting one of the plurality of displayed MBeans with a keyboard.

1 12. The method of claim 1, wherein accessing the attribute of the selected MBean with
2 the graphical user interface comprises:
3 accessing an attribute of an MBean representing a cluster manager of the network.

1 13. The method of claim 12, wherein accessing the attribute of the selected MBean
2 representing the cluster manager comprises:
3 accessing a queue size attribute of the MBean to determine a number of requests
4 waiting in a queue.

1 14. The method of claim 1, further comprising:
2 invoking an operation of the selected MBean with the graphical user interface.

1 15. An apparatus comprising:
2 a graphical user interface; and
3 a processor and logic executable thereon to
4 display a representation of a plurality of management beans (MBeans)
5 registered with an MBean server on the graphical user interface;
6 select one of the plurality of MBeans displayed on the graphical user
7 interface; and
8 access an attribute of the selected MBean with the graphical user interface.

1 16. The apparatus of claim 15, wherein the processor and logic executable thereon to
2 display the representation of the plurality of MBeans registered with the MBean server
3 further comprises a processor and logic executable thereon to
4 display a representation of a plurality of MBeans registered with an MBean server,
5 wherein each of the displayed MBeans represents a manageable resource within a cluster of
6 application servers.

1 17. The apparatus of claim 16, wherein the processor and logic executable thereon to
2 display the representation of the plurality of MBeans registered with the MBean server
3 further comprises a processor and logic executable thereon to
4 display a representation of a plurality of MBeans organized as a tree structure having
5 a root node.

1 18. The apparatus of claim 15, wherein the processor and logic executable thereon to
2 access the attribute of the selected MBean with the graphical user interface further comprises
3 a processor and logic executable thereon to
4 access an attribute of an MBean representing a cluster manager of the network.

1 19. The apparatus of claim 15, wherein the processor and logic executable thereon further
2 comprises a processor and logic executable thereon to
3 invoke an operation of the selected MBean with the graphical user interface.

1 20. A system comprising:
2 a means for displaying a representation of a plurality of management beans (MBeans)
3 registered with an MBean server on a graphical user interface of a computing device;
4 a means for selecting one of the plurality of MBeans displayed in the graphical user
5 interface; and
6 a means for accessing an attribute of the selected MBean with the graphical user
7 interface.

1 21. The system of claim 20, wherein the means for displaying the representation of the
2 plurality of management beans (MBeans) registered with the MBean server comprises:

3 a means for displaying a representation of a plurality of MBeans registered with an
4 MBean server, wherein each of the displayed MBeans represents a manageable resource
5 within a cluster of application servers.

1 22. The system of claim 21, wherein the means for displaying the representation of the
2 plurality of MBeans comprises:

3 a means for displaying a representation of a plurality of MBeans organized as a tree
4 structure having a root node.

1 23. The system of claim 20, wherein the means for accessing the attribute of the selected
2 MBean with the graphical user interface comprises:

3 a means for accessing an attribute of an MBean representing a cluster manager of the
4 network.

1 24. The system of claim 23, further comprising:

2 a means for invoking an operation of the selected MBean with the graphical user
3 interface.

1 25. An article of manufacture comprising:

2 an electronically accessible medium providing instructions that, when executed by an
3 apparatus, cause the apparatus to

4 display a representation of a plurality of management beans (MBeans) registered with
5 an MBean server on a graphical user interface of a computing device;

6 select one of the plurality of MBeans displayed in the graphical user interface; and

7 access an attribute of the selected MBean with the graphical user interface.

1 26. The article of manufacture of claim 25, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the representation of the plurality of MBeans
3 registered with the MBean server on the graphical user interface further cause the apparatus
4 to
5 display a representation of a plurality of MBeans registered with an MBean server,
6 wherein each of the displayed MBeans represents a manageable resource within a cluster of
7 application servers.

1 27. The article of manufacture of claim 26, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the representation of the plurality of MBeans
3 registered with an MBean server on the graphical user interface further cause the apparatus to
4 display a representation of a plurality of hierarchically organized MBeans.

1 28. The article of manufacture of claim 27, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the representation of the plurality of
3 hierarchically organized MBeans further cause the apparatus to
4 display a representation of a plurality of MBeans organized as a tree structure having
5 a root node.

1 29. The article of manufacture of claim 25, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to access the attribute of the selected MBean with the
3 graphical user interface further cause the apparatus to
4 access an attribute of an MBean representing a cluster manager of the network.

1 30. The article of manufacture of claim 25, wherein the electronically accessible medium
2 providing instructions that, when executed by an apparatus, further cause the apparatus to
3 invoking an operation of the selected MBean with the graphical user interface.